

What Is Claimed Is:

1 1. A method for transforming video data comprising an  
2 interest region by wavelet transform signal processing,  
3 comprising the following steps:

4 transforming the video data to high frequency image data and  
5 low frequency image data;

6 getting first image data recording first information  
7 responding to the interest region of the video data and second  
8 image data recording second information responding to the  
9 interest region of the video data from the high frequency image  
10 data;

11 combining the first image data and the low frequency image  
12 data to form interest region data;

13 combining the interest region data and the second image data  
14 by bit plane coding to generate display data; and

15 displaying the display data with a display device.

1 2. The method as claimed in claim 1, wherein the high  
2 frequency image data and the low frequency image data have  
3 predetermined frequency bands.

1 3. The method as claimed in claim 2, further comprising the  
2 step of compressing the display data.

1 4. The method as claimed in claim 3, wherein the compression  
2 form of the display data is JPEG2000.